

State of California
California State Interoperability Executive Committee (CalSIEC)
SOUTHERN PLANNING AREA

PROJECT SUMMARY & ENDORSEMENT

**“UHF TACTICAL FREQUENCY UTILIZATION
FOR
INTEROPERABLE COMMUNICATIONS”
UTAC42 – 453/458.7125 MHZ**

Project Sponsors. This is a joint initiative between the County of San Bernardino Information Services Department and the City of Claremont Police Department.

Project Purpose. The purpose this Interoperable Communications Initiative is to support mutual aid communications between L.A. County and San Bernardino County law and fire agencies. The project provides for a UHF repeater to be positioned within the County of San Bernardino. It establishes a cross-patched connection between UHF and 800 MHz users and thus offers interoperable communications on a real time basis for operations within San Bernardino County.

Project Technical Parameters. The project calls for operation of a UHF repeater located at San Sevaine Peak which is on the east end of the San Gabriel Mountains north of Fontana, CA. The elevation is 1719.1m AMSL with an antenna height of 24.5m AGL. HAAT is 700.1m. Power out is an estimated 65 watts ERP. The area of operation is within the boundaries of the County of San Bernardino.

Project Frequency Coordinations. An extensive analysis of currently licensed co-channel and adjacent channel users was conducted in evaluating UTAC42 as a suitable frequency for this project. The City of Long Beach, the County of Long Beach, and the Devils Canyon Dam (DWR) facilities were identified as requiring on-the-air testing. Under the authority of the State's license WQEN775, this testing was completed on 5/26/09. All agencies concurred that there were little or no concerns regarding radio frequency interference.

Project Support Letters. This project is fully supported by the 23 police departments of the cities proximate to the L.A. County/San Bernardino County border. These agencies and the Sheriff's Department of the County of San Bernardino signed letters of support.

Project Review by the CalSIEC Southern Planning Area. The Southern Planning Area (SPA) completed an extensive review of the operational and technical considerations pertinent to this project. The view of the SPA is that the concepts of this project are operationally sound, technically feasible, and they are in keeping with good practices for interoperable communications.

Project Endorsement by the CalSIEC Southern Planning Area. The Southern Planning Area endorses this project. It recommends approval by the CalSIEC and subsequent licensing under the auspices of the State of California.



Scott D. Edson, Captain, L.A. County Sheriff's Department
Chairman, Southern Planning Area (SPA), CalSIEC

6/18/09

Encl: Project Documentation